

Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1. (currently amended) A system for ventilating a room having walls, a floor and a ceiling, and being capable of housing a patient's bed, comprising at least one air supply unit and one air exhaust unit, ~~characterised in that~~ wherein said air supply unit comprises a guiding slot diffuser for guiding an airstream in a certain direction, such that a patient, lying down in said bed on his back, receives said airstream, and ~~[[that]]~~ said exhaust unit is arranged near the floor and near a head end of the bed such that air is arranged to leave the room after having ventilated the patient, said air supply unit also comprises an air outlet devised to supply air at a lower velocity but with a larger volume than the air passing through the guiding slot diffuser, and ~~in that~~ said system also comprises at least one main diffuser comprising perforated sheet and arranged such that a first airflow through the slot diffuser having a first velocity ~~co-ejects~~ is co-ejected with a second airflow having a second velocity through the main diffuser, said second velocity being lower than said first velocity, such that the combined flow assumes substantially the direction of the first flow, and ~~in that~~ the longitudinal direction of at least one slot in the guiding slot diffuser is lying in a plane which is parallel to a vertical plane parallel with a left or right side of the bed in which the patient is lying, and said guiding slot diffuser is provided with a booster fan for driving air through the guiding slot diffuser, and the slot diffuser is provided with at least two slots, and an angle between depth axes of two of said slots is acute, and wherein the at least two slots of the slot diffuser are arranged proximate to each other, and two main diffusers are provided and are arranged with the two main diffusers separately and opposingly disposed at two sides of the proximately arranged slot diffusers.

2. (currently amended) A system as recited in claim 1, wherein said guiding slot diffuser is provided with two slots ~~a booster fan for driving air through the diffuser.~~

3. (currently amended) An air supply unit for providing conditioned air to a patient lying in a bed, comprising: a booster fan, arranged to force air through a guiding slot

diffuser for guiding an airstream in a certain direction, said diffuser having ~~at least one slot~~ two slots, and one area of perforated sheet, being arranged at an outlet side of said diffuser, where the area of perforated sheet is arranged in close proximity of the slots such that an airstream of air passing through both of the perforated sheet and the diffuser slots assumes a direction as controlled by the direction of the diffuser slots, and the diffuser slots form an angle α to a base plane of said supply unit such that air is guided obliquely down towards the patient, and wherein the at least two slots of the slot diffuser are arranged proximate to each other, and two main diffusers are provided and are arranged with the two main diffusers separately and opposingly disposed at two sides of the proximately arranged slot diffusers.

4. (cancelled)

5. (cancelled)

6. (currently amended) An air supply unit as recited in ~~claim 5~~ claim 3, wherein said base plane is arranged horizontal.

7. (currently amended) An air supply unit as recited in claim 6, wherein said angle α is between 5 and 15 degrees.

8. (previously presented) An air supply unit as recited in claim 7, wherein said diffuser slots are adjustable sideways to enable setting the direction of the airstream.

9. (previously presented) An air supply unit as recited in claim 3, wherein each slot has a length, a width and a depth, wherein the depth is substantially larger than the width.

10. (previously presented) An air supply unit as recited in claim 9, wherein the depth is ten to twenty times larger than the width.

11. (previously presented) An air supply unit as recited in claim 10, wherein the width is approximately 2 mm.

12. (currently amended) An air supply unit as recited in ~~claim 9~~ claim 8, ~~having two slots, wherein~~ an angle (GAMMA) is formed between the depth axes of each slot, and the angle (GAMMA) is acute.

13. (currently amended) An air supply unit as recited in claim 12, wherein the angle (GAMMA) between the depth axes is arranged to be adjustable.

14. (currently amended) An air supply unit as recited in claim 12, wherein the angle (GAMMA) between the depth axes is arranged to be 10 degrees.

15. (previously presented) An air supply unit as recited in claim 4, further comprising light tubes and corresponding reflectors for providing adequate lighting to a bed area of the room.

16. (currently amended) A portable air conditioning unit, wherein said conditioning unit comprises at least one main diffuser and at least one slot diffuser arranged such that a first airflow through the slot diffuser having a first velocity co-ejects a second airflow through the at least one main diffuser having a second velocity lower than said first velocity, wherein a combined airflow, being the result of said first and second airflow, assumes the direction of the airflow through the slot diffuser, and wherein said unit comprises a slot diffuser unit having two slots with an acute angle (GAMMA) between depth axes of said two slots, and wherein the at least two slots of the slot diffuser are arranged proximate to each other, and two main diffusers are provided and are arranged with the two main diffusers separately and opposingly disposed at two sides of the proximately arranged slot diffusers.

17. (cancelled)

18. (previously presented) A portable air conditioning unit as recited in claim 16, wherein said slot diffuser is arranged in a meeting corner of said main diffusers.

19. (previously presented) A portable air conditioning unit as recited in claim 18, wherein an angle between two main diffusers is between 80 and 110 degrees.

20. (cancelled)

21. (previously presented) A portable air conditioning unit as recited in claim 19, wherein each slot is provided with a depth substantially larger than a width of the slot.

22. (currently amended) A unit as recited in claim 21, wherein said width of the slot is approximately 2 mm.

23. (currently amended) A method for supplying fresh air to a patient lying in a bed in a room comprising the following steps:

providing a first, relatively fast flow of air, relatively small in volume;

providing a second, relatively slow flow of air, relatively large in volume, and adjacent to the first flow of air such that said first flow of air co-ejects air from the second flow; and

providing a low speed large volume suction for evacuating the supplied air;
and

providing the first flow of air by forcing air through two elongated slots having converging axes of depth.

24. (currently amended) A method as recited in claim 23, further comprising the steps of:

providing the first flow of air by forcing air ~~through at least one elongated slot~~ parallel to a vertical plane parallel to a side of said bed; and

providing the second flow of air by forcing air through a perforated sheet of metal or similar material having a hole content of approximately 30 %.

25. (currently amended) A method as recited in claim 24 further comprising the ~~steps~~ step of:

~~providing the first flow of air by forcing air through two elongated slots having converging axes of depth; and~~

providing the second flow of air with an air speed of less than 5 % of the air speed of the first flow and with a volume flow of more than double the volume flow of the first flow.